

\* SWBAT distinguish between Newton's 3 Laws of motion

Sep 6-2:31 PM

# Welcome!!!

SECA Physics  
Friday 1 November 2013

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\* Pick up:

- slip of paper (for later)
- worksheet
- white board, marker, eraser

TEST!  
WED!  
Centering...

## Opening Question:

What do you need to do to be ready for next week's test and the end of the quarter?

NOTEBOOK ~~STUDY~~  
CLASS WEBSITE ~~MAKE NOTE SHEET FOR TEST~~  
FIND OUT ABOUT MAKE-UP WORK  
↳ GET IT  
↳ DO IT  
↳ ASK FOR HELP?



Sep 7-7:04 AM

## Newton's Laws - Practice

Meeker and the vaulting horse

<http://www.youtube.com/watch?v=pVND8hux1v8>

- a. The force on the gymnast was the same size and opposite direction as the force on the vault

III. EQUAL &amp; OPPOSITE FORCES

- b. The vault was at rest until it experienced a net force from the gymnast

I. ↓

- c. When the gymnast experienced a force with the vault, he suddenly changed speed (decelerated).

II. FORCE CAUSES ACCELERATION

- d. balloon: BALLOON PUSHES ON AIR

III. AIR PUSHES ON BALLOON

- e. toilet paper

I. ROLL TENDS TO STAY AT REST

- f. cart pulled by 2 masses

II. MORE FORCE  $\Rightarrow$  MORE ACCELERATION

- g. ~~paper chop~~ TABLE CLOTH TRICK

I. DISHES TEND TO STAY AT REST

- h. crash test dummy

I. DUMMY IN MOTION TENDS TO KEEP MOVING

- i. two scales

III. EQUAL &amp; OPPOSITE FORCES

- j. card and penny

I. PENNY TENDS TO STAY WHERE IT IS

- k. wall-e

- f. dark helmet

I. Objects at REST TEND TO STAY AT REST. IN MOTION " " " " IN MOTION

II. FORCE = MASS  $\times$  ACCELERATION

III. For every ACTION FORCE THERE IS AN EQUAL & OPPOSITE REACTION FORCE

Sep 21-2:13 PM

## Daily 3 Questions

- \* Every day except test/project days
- \* 3 Questions on the topics of the day
- \* Main source of daily points
- \* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your NAME!!!

Name

Period

1.

2.

3.

Sep 9-7:32 AM

1. BALLOON

2. CARD & PENNY

3. CART PULLED BY 2 DIFFT. PULLERS

Sep 14-7:28 AM